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Signed

*AmBrewer*

Dated *27th August 1997*

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27MAY '93#00405787

PAT 1 77 UC

25.00

25 MAY 1993

Your reference

JL

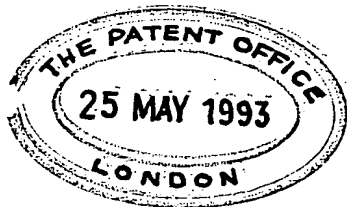
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### Notes

Please type, or write in dark ink using CAPITAL letters. A prescribed fee is payable for a request for grant of a patent. For details, please contact the Patent Office (telephone 071-438 4700).

Rule 16 of the Patents Rules 1990 is the main rule governing the completion and filing of this form.

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The  
Patent  
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## Request for grant of a Patent

Form 1/77

Patents Act 1977

### 1 Title of invention

1 Please give the title  
of the invention

CORRECTION TAPE DISPENSER

### 2 Applicant's details

☐ First or only applicant

2a If you are applying as a corporate body please give:

Corporate name

THE GILLETTE COMPANY

Country (and State  
of incorporation, if  
appropriate)

U.S.A.

DELAWARE

2b If you are applying as an individual or one of a partnership please give in full:

Surname

Forenames

2c In all cases, please give the following details:

Address

PRUDENTIAL TOWER BUILDING,  
BOSTON,  
MASS. 02199,

UK postcode  
(if applicable)

Country

U.S.A.

ADP number  
(if known)

857067001

**2d, 2e and 2f:** If there are further applicants please provide details on a separate sheet of paper.

☐ **Second applicant (if any)**

2d If you are applying as a corporate body please give:

Corporate name

Country (and State  
of incorporation, if  
appropriate)

2e If you are applying as an individual or one of a partnership please give in full:

Surname

Forenames

2f **In all cases**, please give the following details:

Address

UK postcode  
(if applicable)

Country

ADP number  
(if known)

**③** An address for service in the United Kingdom must be supplied

Please mark correct box

**③ Address for service details**

3a Have you appointed an agent to deal with your application?

Yes ☒ No ☐ → go to 3b

↓  
please give details below

Agent's name A.A. THORNTON & CO.

Agent's address NORTHUMBERLAND HOUSE,  
303-306 HIGH HOLBORN,  
LONDON,

Postcode WC1V 7LE

Agent's ADP  
number 75001

**3b:** If you have appointed an agent, all correspondence concerning your application will be sent to the agent's United Kingdom address.

3b If you have not appointed an agent please give a name and address in the United Kingdom to which all correspondence will be sent:

Name

Address

Postcode

ADP number  
(if known)

Daytime telephone  
number (if available)

4 Agent's or  
applicant's reference  
number (if applicable) JL

### ⑤ Claiming an earlier application date

Yes ☐ No ☒ ➡ **go to 6**

number of earlier application or patent number

☐ and the Section of the Patents Act 1977 under which you are claiming:

15(4) (Divisional) ☐ 8(3) ☐ 12(6) ☐ 37(4) ☐

## ⑥ Declaration of priority

Country of filing	Priority application number (if known)	Filing date (day, month, year)
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*Please give the date in all number format, for example, 31/05/90 for 31 May 1990.*

- 7 The answer must be 'No' if:
- any applicant is not an inventor
  - there is an inventor who is not an applicant, or
  - any applicant is a corporate body.

8 Please supply duplicates of claim(s), abstract, description and drawing(s).

Please mark correct box(es)

- 9 You or your appointed agent (see Rule 90 of the Patents Rules 1990) must sign this request.

Please sign here ➡

A completed fee sheet should preferably accompany the fee.

## 7 Inventorship

7 Are you (the applicant or applicants) the sole inventor or the joint inventors?

Please mark correct box

Yes ☐

No ☒

➡ **A Statement of Inventorship on Patents Form 7/77 will need to be filed (see Rule 15).**

## 8 Checklist

8a Please fill in the number of sheets for each of the following types of document contained in this application.

Continuation sheets for this Patents Form 1/77

-

Claim(s)

-

Description

3

Abstract

-

Drawing(s)

2

8b Which of the following documents also accompanies the application?

Priority documents (please state how many)

-

Translation(s) of Priority documents (please state how many)

-

Patents Form 7/77 – Statement of Inventorship and Right to Grant  
(please state how many)

-

Patents Form 9/77 – Preliminary Examination/Search

-

Patents Form 10/77 – Request for Substantive Examination

-

## 9 Request

I/We request the grant of a patent on the basis of this application.

Signed

*A.A. Thornton & Co.*

Date

25  
(day)

05  
month

93  
year

A.A. THORNTON & CO.

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The Patent Office  
Cardiff Road  
Newport  
Gwent  
NP9 1RH**

or

☐ **The Comptroller  
The Patent Office  
25 Southampton Buildings  
London  
WC2A 1AY**

Correction Tape Dispenser

Described in the present specification are modified and improved embodiments of the correction tape dispenser according to the invention described in United Kingdom Patent Application No. 9302589.8.

The preferred features and advantages of the modified embodiments will be apparent from the detailed description given below with reference to the accompanying drawings, in which:-

Figure 1 is a perspective view illustrating the tip region of a modified embodiment of the invention, the housing having been cut away to reveal relevant details of the tape feed path;

Figure 2 is an elevation showing the internal parts of the dispenser of Figure 1,

Figures 3 and 4 are views corresponding to Figs. 1 and 2, respectively, showing a second modified correction tape dispenser according to the invention.

Each of the two correction tape dispensers illustrated in the drawings is basically similar to the dispenser particularly described in the aforementioned Patent Application No. 9302589.8 in that it includes a case 1 housing tape supply and take-up spools 2 and 3, the spools being coupled by a slipping clutch mechanism and

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the tape 4 consisting of a layer of correction composition coating one side of a carrier ribbon.

Protruding from a forward end of the elongated case is a tip member 5 defining an edge 6 used to press the tape against the paper surface for transferring a strip of correction composition from the carrier ribbon onto the paper, a length of tape 4 extending between the supply and take-up spools being guided to pass around the tip edge. The tip member includes guide means for redirecting the tape so that the edge 6 is inclined in the feed direction in which the tape travels towards the tip member, and the correction tape dispenser has a "writing angle" of  $45^{\circ}$  to  $75^{\circ}$ , preferably about  $60^{\circ}$ , to the paper.

In the dispenser of Figures 1 and 2, the tip member is attached to and conveniently integral with a plastics carrier frame which supports the spools 2, 3. The member 5 includes a tip 10 with an edge portion and a guide portion which is inclined to the edge portion and is generally L-shaped in cross-section to define a shoulder 21 at which the guide and edge portions meet. Fixed to or integral with the guide portion is a tape guide peg 22, and defined by a ridge 12 is a rectilinear edge inclined to the tape feed direction. On either side of the tip, near the edge 6, are a pair of wing projections 16 spaced apart by a distance equal to the width of the tape. The tape 4 passes forwardly from the supply spool 2 to the peg 22 around which it passes so that the tape then extends towards the edge 6 in a direction essentially at  $90^{\circ}$  to that edge. The tape section between the peg 22 and the edge of shoulder 21 is twisted through  $90^{\circ}$  about its longitudinal axis. From the shoulder 21, the tape passes around the tip edge 6 in a plane substantially perpen-

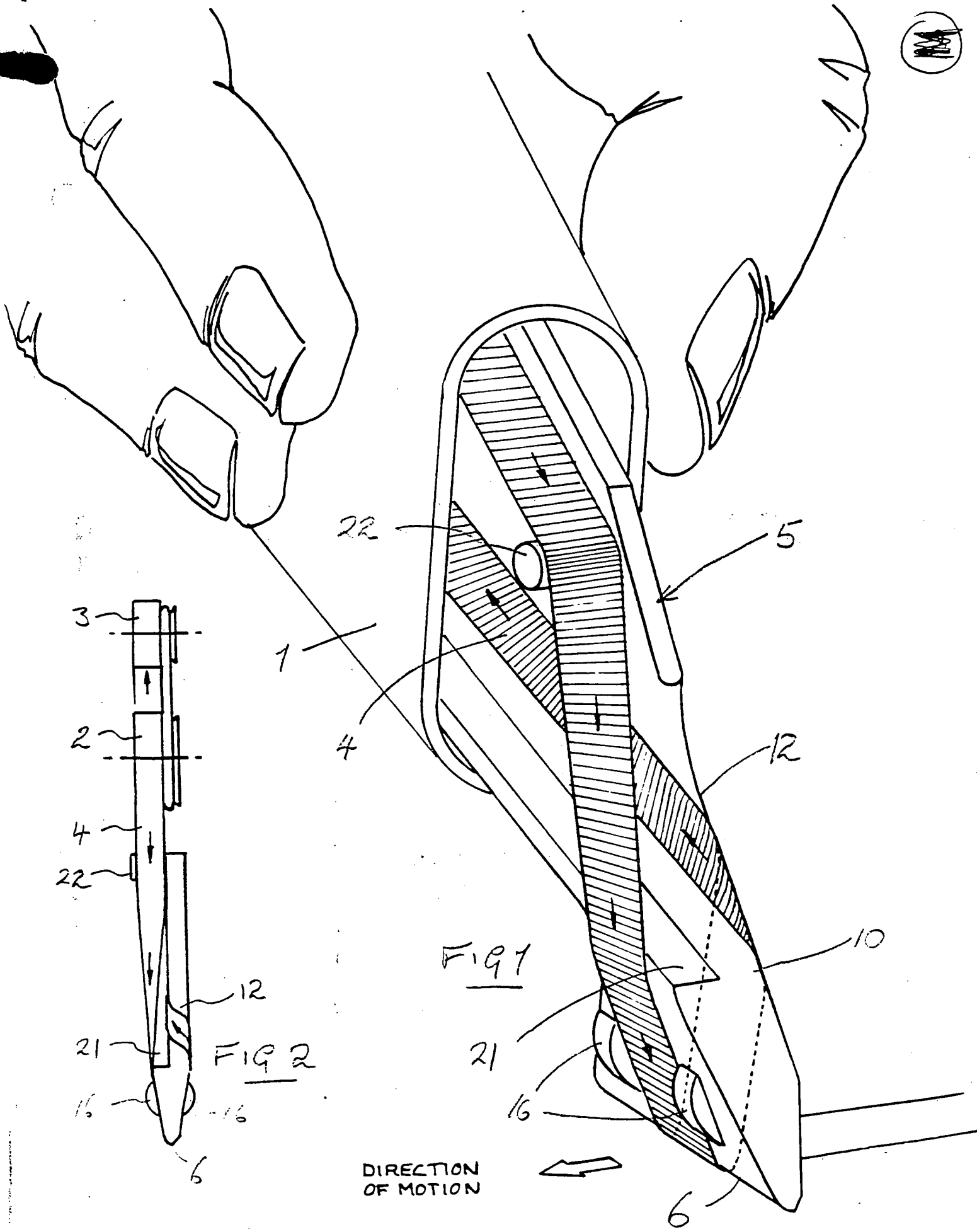
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dicular to the tip edge, and eventually reaches the ridge 12 across which it rolls over onto the first side of the tip member to pass on towards the take-up spool. The wing projections 16 serve to maintain the tape in correct alignment with the edge 6.

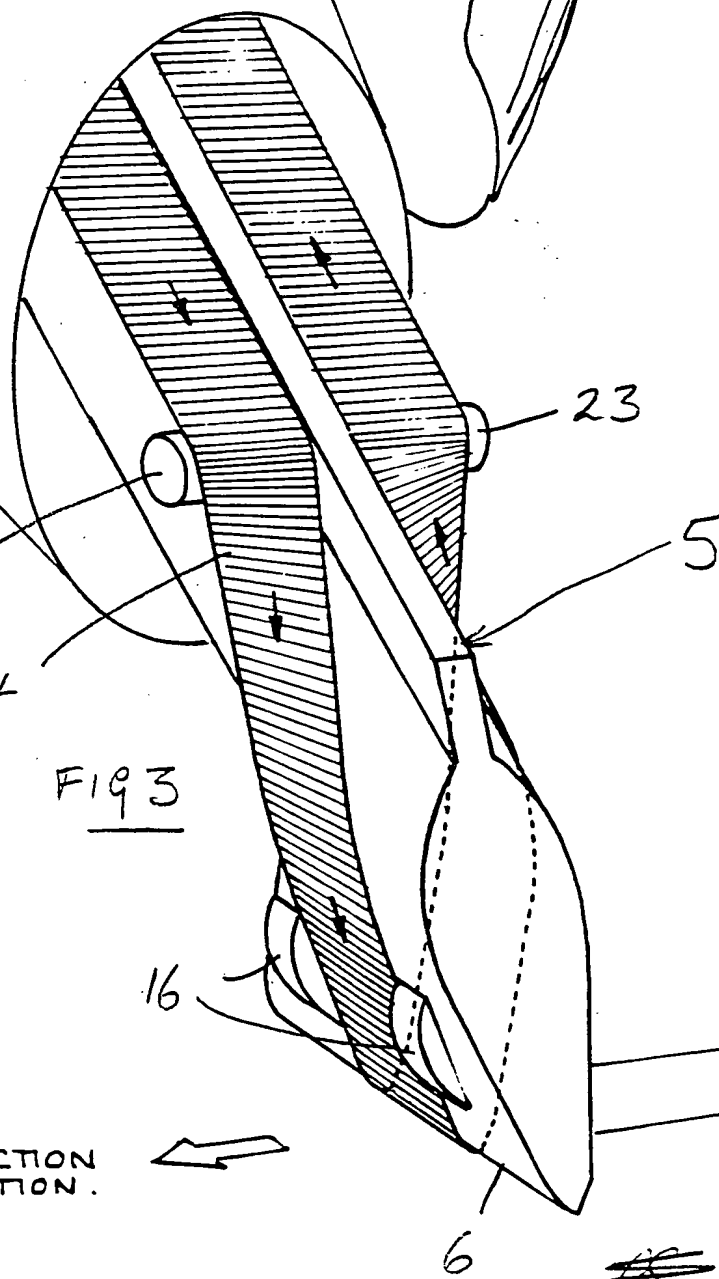
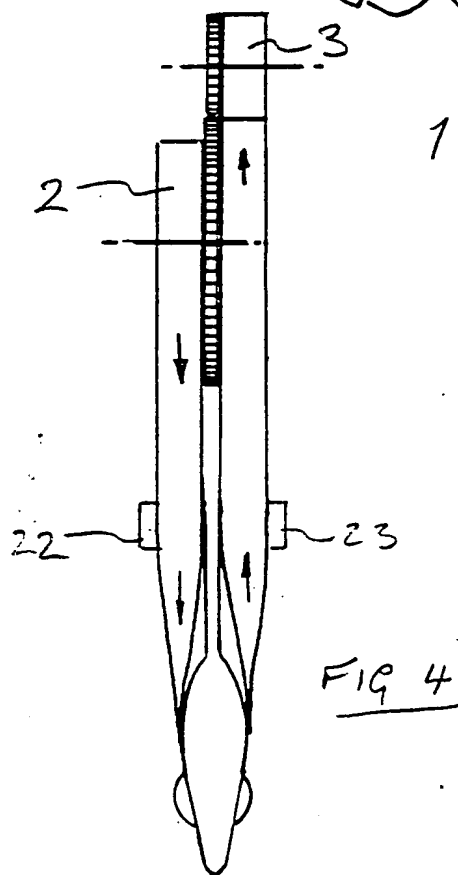
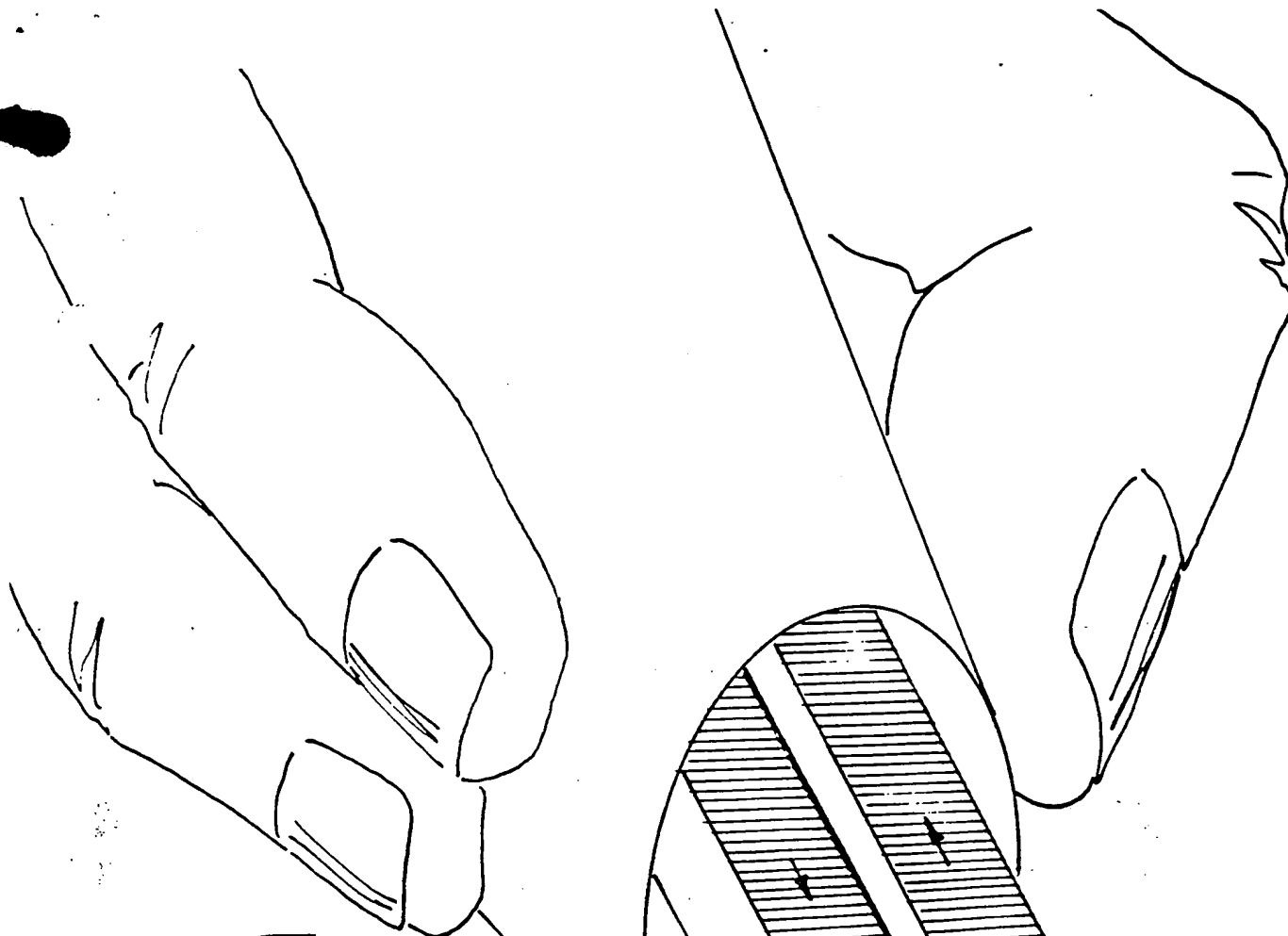
In the alternative construction illustrated in Figures 3 and 4, the tip member 5 has a pair of opposed guide pegs 22, 23 on opposite sides thereof, and the supply and take-up spools 2, 3 are shown mounted to face in opposite directions although this is not essential. The edge portion of the tip is largely similar to that of the dispenser of Figs. 1 and 2, but has a more rounded or bulbous form opposite the edge 6. The tape guidance is essentially the same on both sides of the tip member with the tape being twisted through  $90^{\circ}$  in passing from the peg 22 to the edge 6 and being twisted through a further  $90^{\circ}$  between the edge 6 and the peg 23.

In use the modified dispensers described above are held and moved across the paper exactly as described in Application No. 9302589.8. The modified tape guiding means have the advantage of reducing the area of contact between the tape and the tip member so that frictional resistance to tape advancement is diminished and smooth operation of the correction device thereby is enhanced. With a view to reducing friction still further the guide pegs could be equipped with or be replaced by rollers.

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DIRECTION  
OF MOTION.



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